special geometry of the mixing chamber. For a given
special geometry of the mixing chamber and the three
dimensionality of the flow there exists a selective
receptivity of the unstable shear layer between the two
streams by a frequency, which depends on the geometry
and size of the mixing chamber. The excitation under this
suitable frequency leads to a continuos, very
homogeneous mixing over a short downstream distance
from the trailing edge.]

Extension of Time

Agent for Applicant authorizes The Commissioner of Patents to withdraw the sum of
$55.00 for a one month extension of time to respond to the office action from our
Deposit Account No. 11-0687.

Deposit Account Authorization

The Commissioner of Patents is hereby authorized to charge any deficiency or credit
any overpayment in the total fees to Deposit Account No. 11-0687.

Additional Information

Agent for Applicant respectfully includes to cites for the Examiner's review. These
cites discuss the basic concepts of the invention and will hopefully help the
Examiner's understanding of the invention.

   H. E. Fiedler & H. H. Fernholtz (1990) "On management and control of
turbulent shear flows". *Prog. Aerospace Sci.* vol 27, pp305-387
   H. E. Fiedler & P. Mensing (1985) The plane turbulent shear layer with
periodic excitation". *Journal of Fluid Mechanics,* vol 150, pp281-309

C. -M. Ho & P. Huerre (1984) "Perturbed free shear layers". *Annual Review of Fluid Mechanics.* vol 16, pp365-423

G.R. Wang (1999) "Turbulent Mixing, Stability and Secondary Flow in a Confined Configuration". Dissertation, Technical University Berlin, Germany, also published in *Wissenschaftliche Schriftenreihe Stroemungstechnik,* Bd. 8. ISBN 3-89574-376-3, Verlag Dr. Koester, Germany, 2000.

G.R. Wang (2000) "On large structures and turbulent mixing in confined mixing layers under active control" submitted to *Journal of Fluid Mechanics,* (2000).

Conclusion

Applicant respectfully states that the application is now in a condition for immediate allowance and respectfully solicits same.

Yours faithfully,

Eugene Gierczak

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